

CLAIMS

We claim:

5 Sub 1

1. A method for migrating a database comprising:
obtaining said database in a first format;
representing said database in an abstract format;
using said abstract format to convert said database to a second format; and
migrating said database in said second format.

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2. The method of claim 1 wherein said database is a production database.

3. The method of claim 1 wherein said database uses a data model.

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4. The method of claim 1 wherein said abstract format comprises of one or more
views.

5. The method of claim 1 wherein said step of using said abstract format further
comprises:

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writing scripts.

6. The method of claim 5 wherein step of writing said scripts further comprises:
writing functions to correct data format conversion.

7. The method of claim 5 wherein step of writing said scripts further comprises:
building temporary tables to map values in the first format database to values in the second
format database.

5 8. The method of claim 5 wherein step of writing said scripts further comprises:
extracting data from database in first format into insert statements for the database in the
second format.

10 9. The method of claim 8 wherein said step of extracting data from database in
first format into insert statements for the database in the second format further comprises:
exporting a sample database;
importing the said sample database into a test area;
running said scripts created in claim 5; and
15 comparing the data of the database in a first format with the data of the database in a second
format.

20 10. The method of claim 9 wherein step of comparing said data of the database in
a first format with said data of the database in a second format further comprises:
comparing and checking the record counts;
comparing and checking the key and other value counts;
comparing and checking the graphical user interface (GUI); and
comparing and checking the logs.

11. A computer program product comprising:
a computer usable medium having computer readable program code embodied therein
configured to migrate a database, said computer product comprising:
computer readable code configured to cause a computer to obtain said database in a first
5 format;
computer readable code configured to cause a computer to represent said database in an
abstract format;
computer readable code configured to cause a computer to use said abstract format to convert
database to a second format; and
10 computer readable code configured to cause a computer to migrate said database in said
second format.

12. The computer program product of claim 11 wherein said database is a
production database.

13. The computer program product of claim 11 wherein said database uses a data
model.

14. The computer program product of claim 11 wherein said abstract format
20 comprises of one or more views.

15. The computer program product of claim 14 wherein said step to use said
abstract format further comprises:

to write scripts.

16. The computer program product of claim 15 wherein step to write said scripts further comprises:

5 to write functions to correct data format conversion.

17. The computer program product of claim 15 wherein step to write said scripts further comprises:

10 to build temporary tables to map values in the first format database to values in the second format database.

18. The computer program product of claim 15 wherein step to write said scripts further comprises:

15 to extract data from database in first format into insert statements for the database in the second format.

19. The computer program product of claim 18 wherein step to extract data from database in first format into insert statements for the database in the second format further comprises:

20 to export a sample database;

to import the said sample database into a test area;

to run said scripts created in claim 15; and

to compare the data of the database in a first format with the data of the database in a second format.

20. The computer program product of claim 19 wherein step to compare said data
5 of the database in a first format with said data of the database in a second format further comprises:

to compare and check the record counts;

to compare and check the key and other value counts;

to compare and check the GUI; and

10 to compare and check the logs.

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